



FEMA



Prepared by
Juan Hernandez

FEMA Region 6 Weather Threat Briefing

Thursday, September 13, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Today

- Isolated heavy rain possible along the **TX** and **SW LA Coasts**.

Friday - Sunday

- Heavy rain/flash flooding threat continues along the **TX** coast.
- A weak tropical depression may be moving into Texas on Friday, moving across South Texas on Saturday.
- Heavy rain threat is likely to continue over **S** and **Central TX** through Saturday/early Sunday.

Monday

- No significant weather impacts expected.

Tropical Outlook

- Hurricane Florence is a **Category 2** hurricane and will make landfall along the **Atlantic Coast** late Thursday/Friday. Impacts to **FEMA Region 6** are not expected.
- Tropical Storm Isaac will continue moving west across the **Lesser Antilles** and into the eastern **Caribbean Sea** as a Tropical Storm. No immediate impacts to **FEMA Region 6**.
- Hurricane Helene is in the eastern **Atlantic** and will remain in the **Atlantic**. No Impacts to **FEMA Region 6**.
- An area of disturbed weather over the **Gulf of Mexico** is expected to form a tropical depression by Friday and move northwestward across the **Gulf of Mexico**.
 - Formation chances in the next 48 hours...medium...50 percent.
 - Formation chances in the next 5 days...medium...50 percent.

FEMA Region 6 Threat Matrix

Sept 13, 2018 – Sept 17, 2018



SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	THU	FRI	SAT	SUN	MON
Severe Storms					
Heavy Rain / Flash Flooding	TX/SW LA Coasts	STX	Central and STX	SWTX	
Fire Weather					
Tropical Weather	TX Coast	TX Coast			
River Flooding	STX	STX	STX	STX	

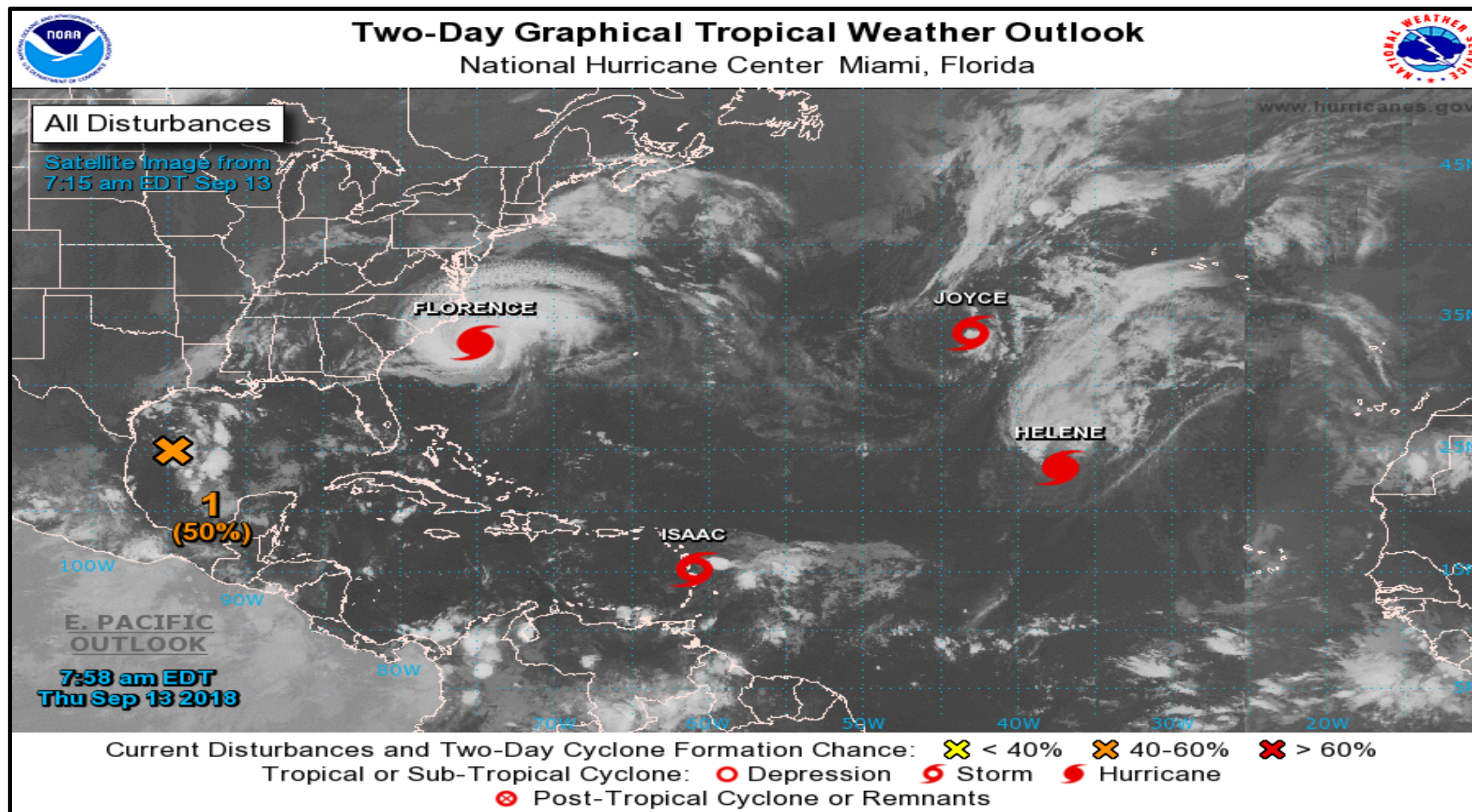
	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.
State or local threat level criteria may differ.*
For more details on the colors in the threat matrix refer to the last slide in this briefing.*

Tropical Weather Outlook – Atlantic/Gulf

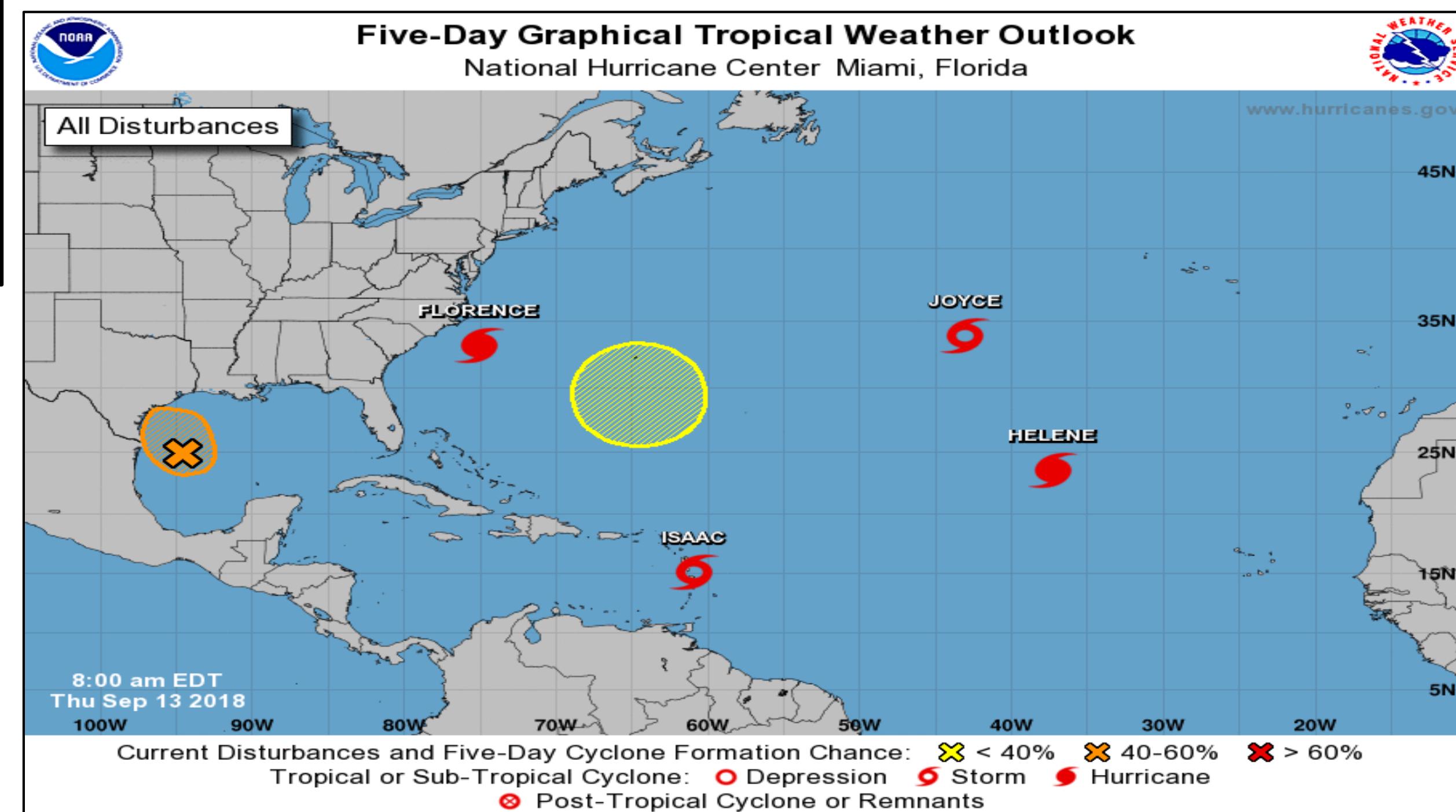


SR ROC
REGIONAL OPERATIONS CENTER



See next slides for more information on Florence, Isaac, and Helene.

Sub tropical storm Joyce is in the central Atlantic Ocean. No impacts to FEMA Region 6.



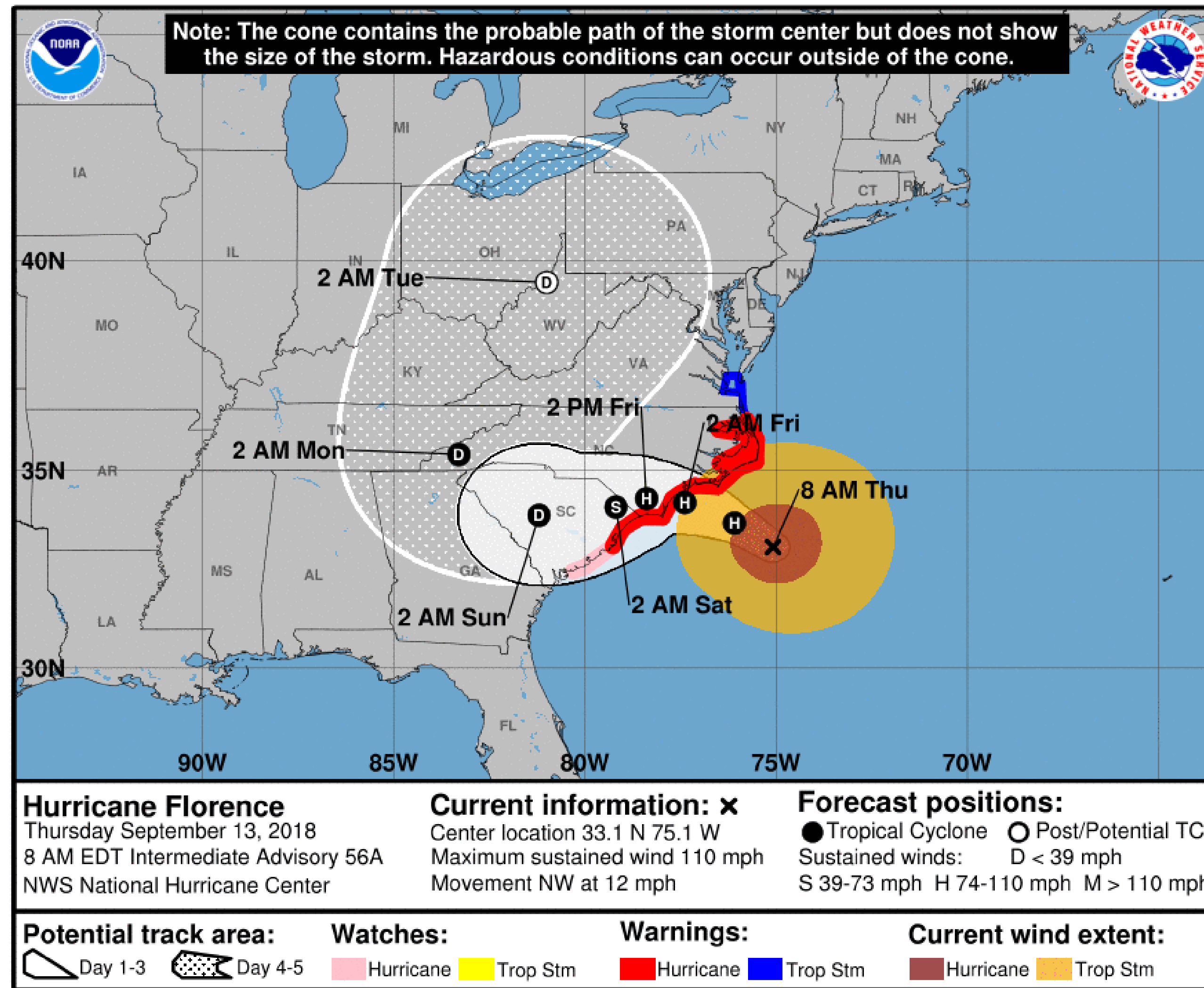
An area of disturbed weather over the Gulf of Mexico is expected to become a tropical depression by Friday as it moves northwest across the Gulf of Mexico.

- Formation chances in the next 48 hours...medium...50 percent.
- Formation chances through 5 days...medium...50 percent.

Hurricane Florence



SR ROC
REGIONAL OPERATIONS CENTER



Florence is moving toward the NW at 12 mph.
Florence will continue moving toward the SE US and
slow significantly as it approaches the coast.

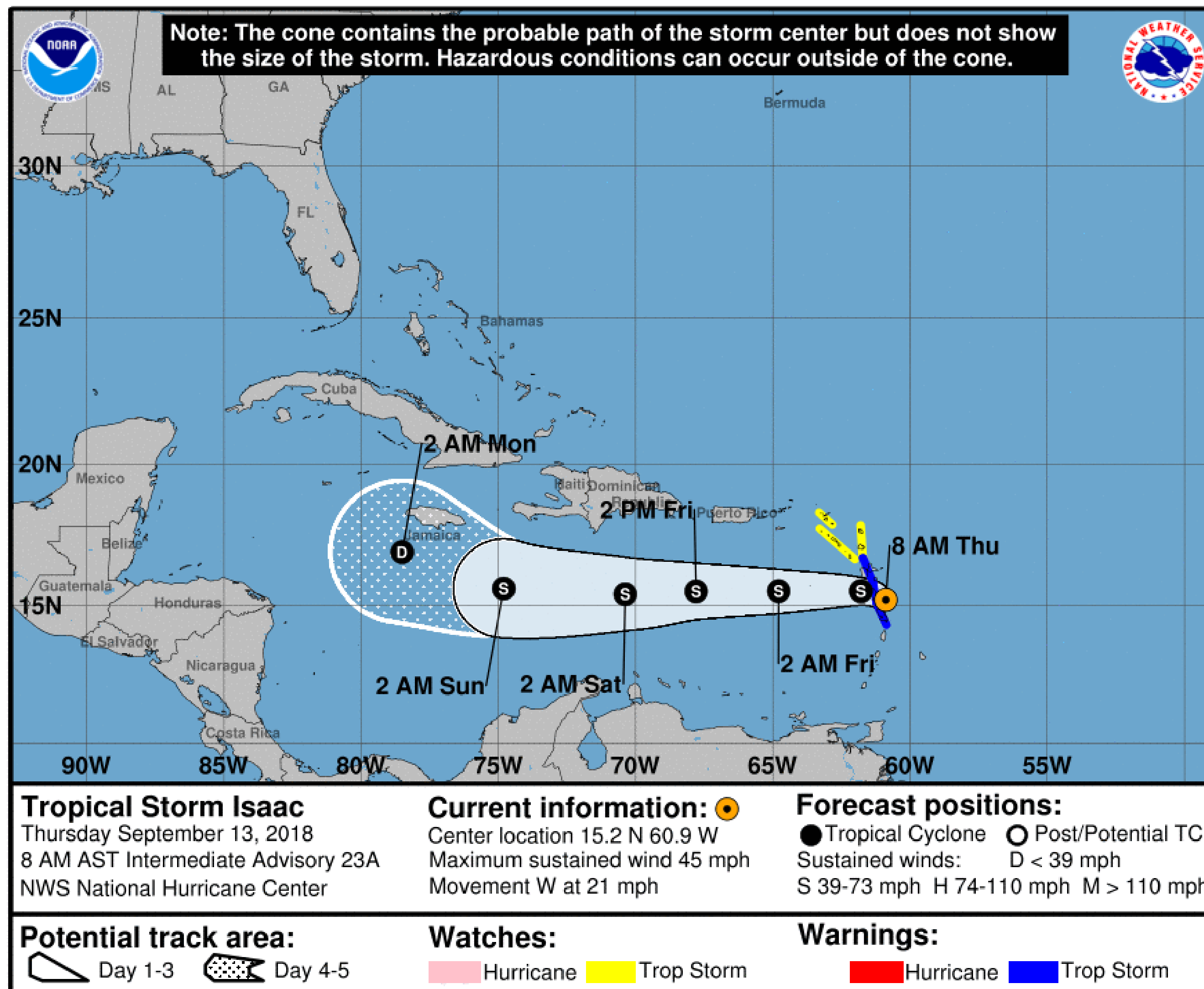
Maximum winds are near 110 mph with higher gusts.
Florence is expected to be an extremely dangerous
hurricane through Thursday night as it approaches
the east coast.

No Impacts to FEMA Region 6.

Tropical Storm Isaac



SR ROC
REGIONAL OPERATIONS CENTER



Isaac is moving to the west at 21 mph. This general motion is expected to continue through the end of the week.

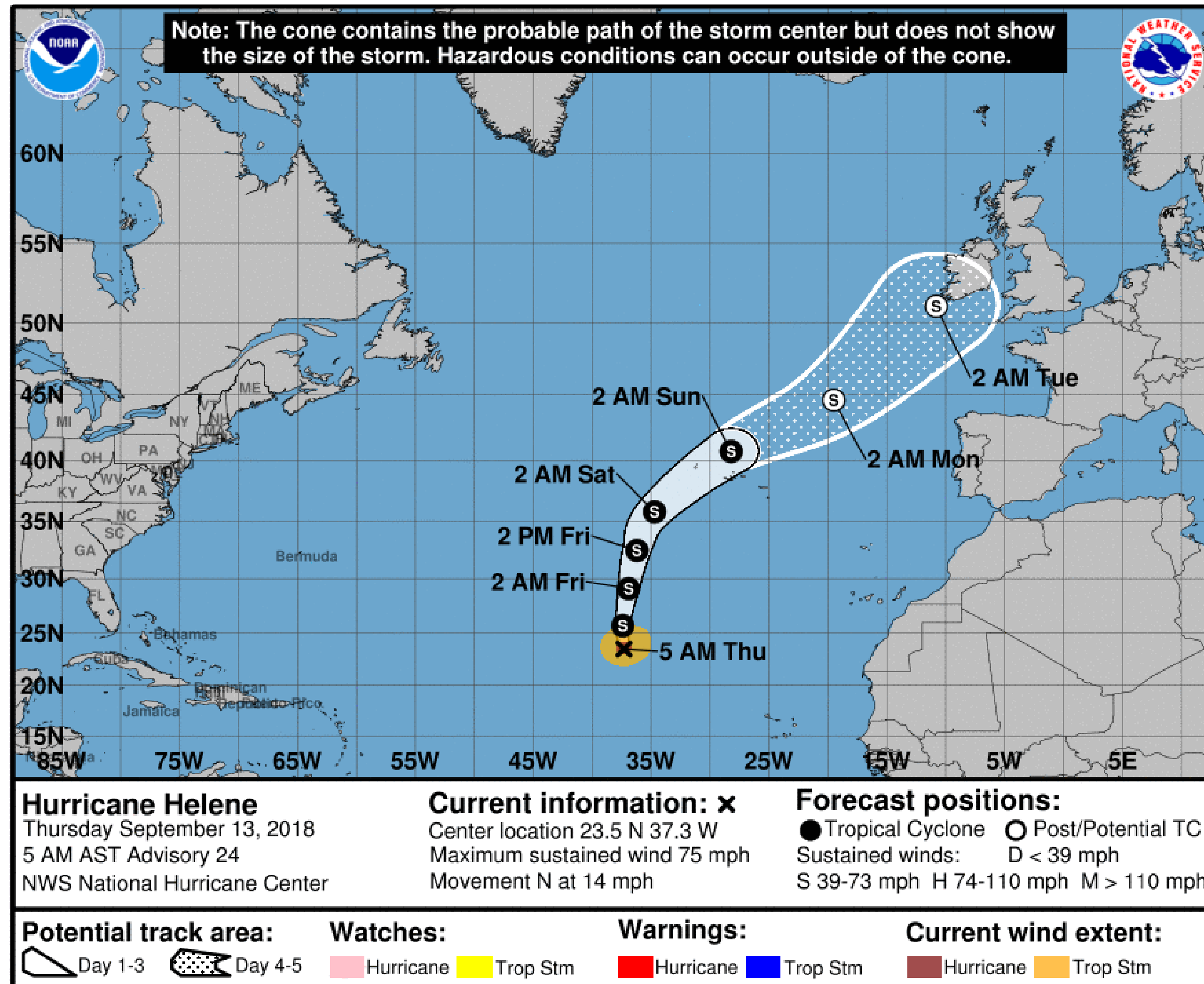
Maximum sustained winds are near 45 mph with higher gusts. Little change in strength is forecast during the next few days.

This is something to keep an eye on for Region 6. While most models dissipate the storm before it gets to the Gulf, there are a few models that hold it together. The extended forecast is highly uncertain.

Hurricane Helene



SR ROC
REGIONAL OPERATIONS CENTER



Helene is moving toward the N at 14 mph. This general motion is expected to continue with a decrease in forward speed through tonight.

Maximum winds are near 75 mph with higher gusts. Some strengthening is possible during the next 12 hours, but a gradual weakening trend is expected after that time.

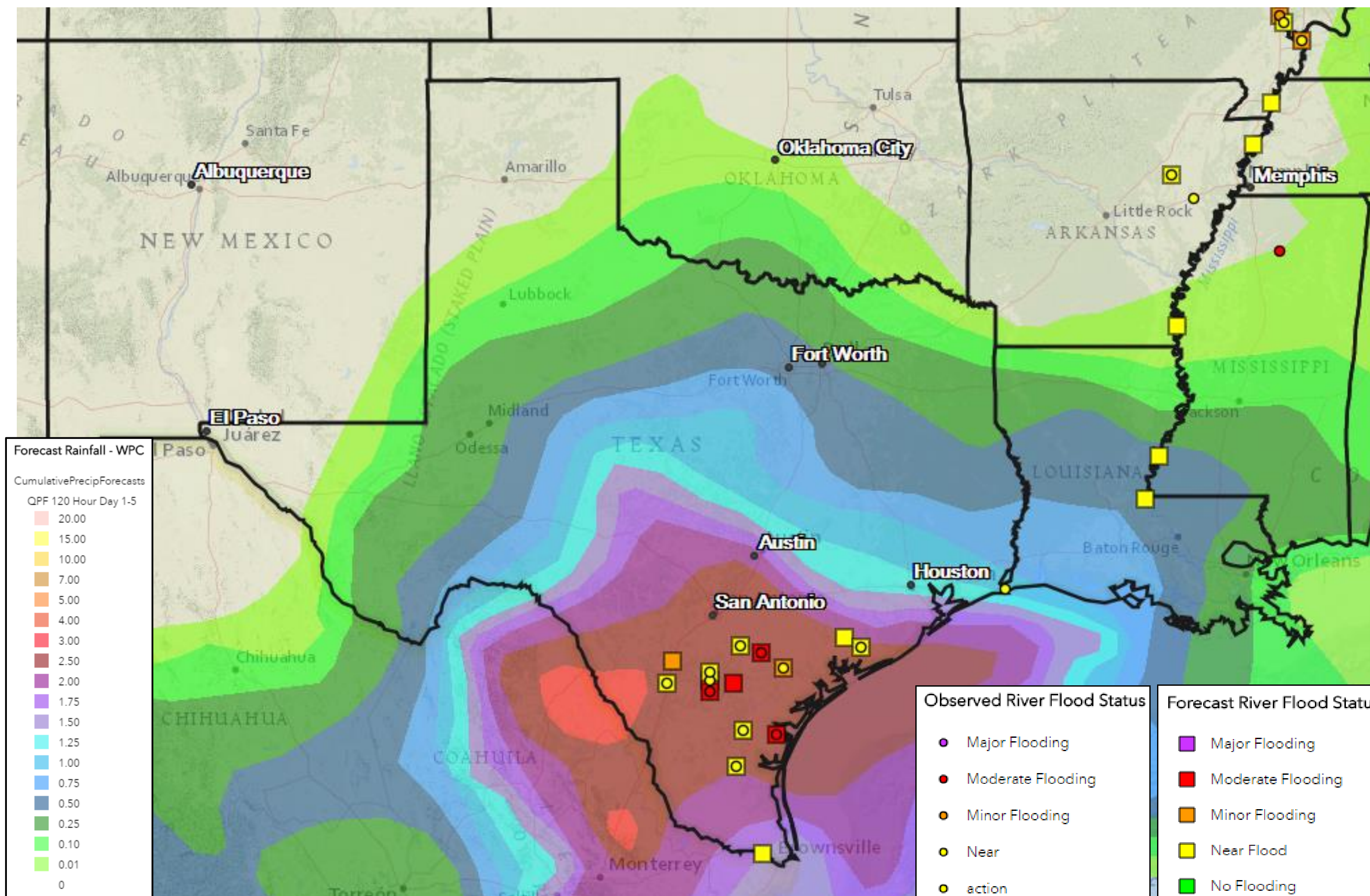
No impacts to FEMA Region 6 are expected.

5-Day Precipitation Forecast & River Flood Status



SR ROC
REGIONAL OPERATIONS CENTER

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



River flooding working down the San Antonio River and Cibolo Creek will meet and cause moderate flooding for the San Antonio River near Runge and will stay elevated into the weekend.

Rain between Cotulla and Tilden on the Nueces caused the Nueces River at Tilden to crest right below major flood stage. It will slowly drain towards Lake Corpus over the next week or so.

Soils are saturated everywhere south of DFW in Texas, so rainfall will runoff quickly and cause streams and tributaries to elevate with rivers to follow soon after. Rainfall this week into the weekend is uncertain at this time (location and amounts), so the amount and extent of river flooding may change as we head through the week.

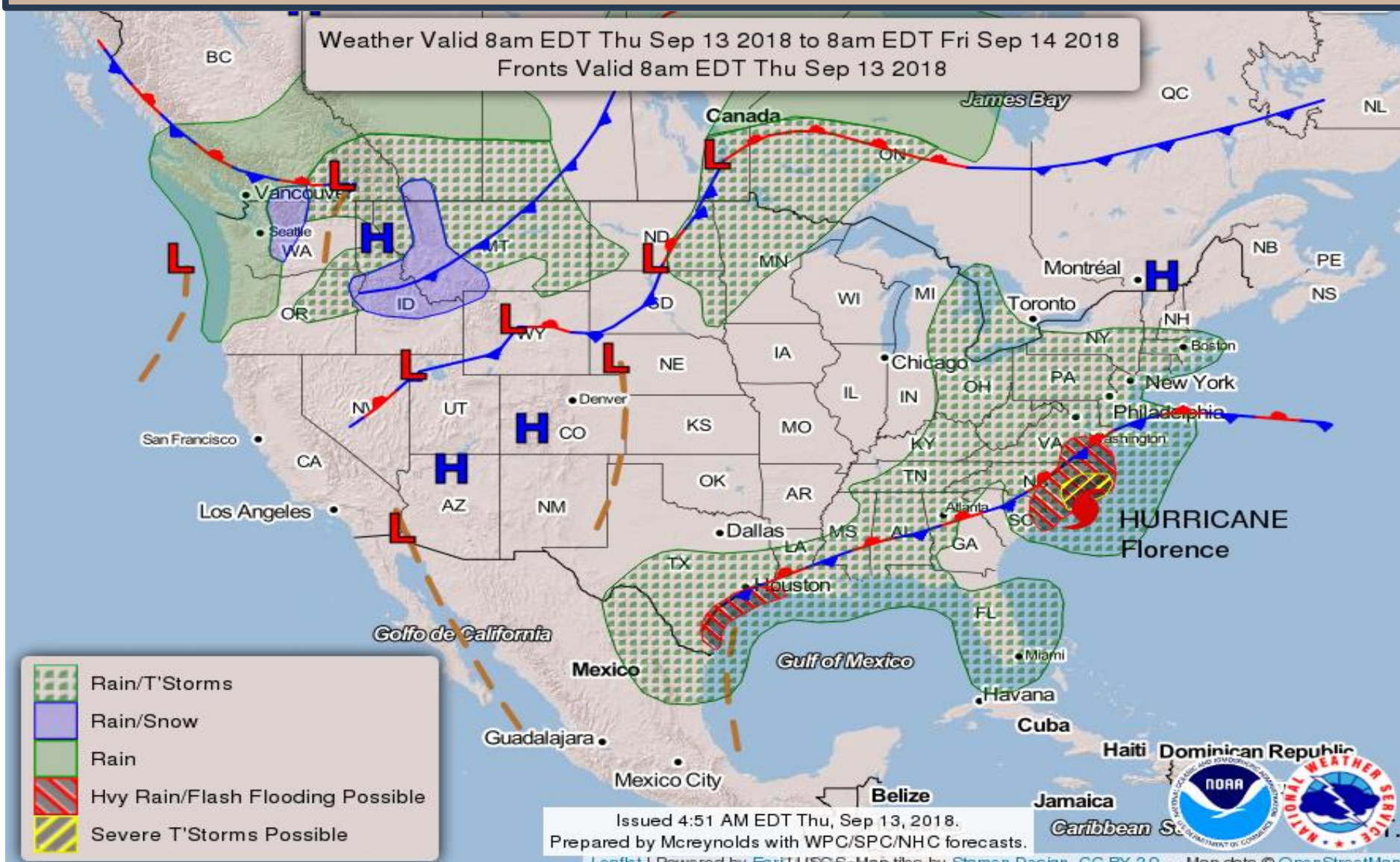
Today's Weather



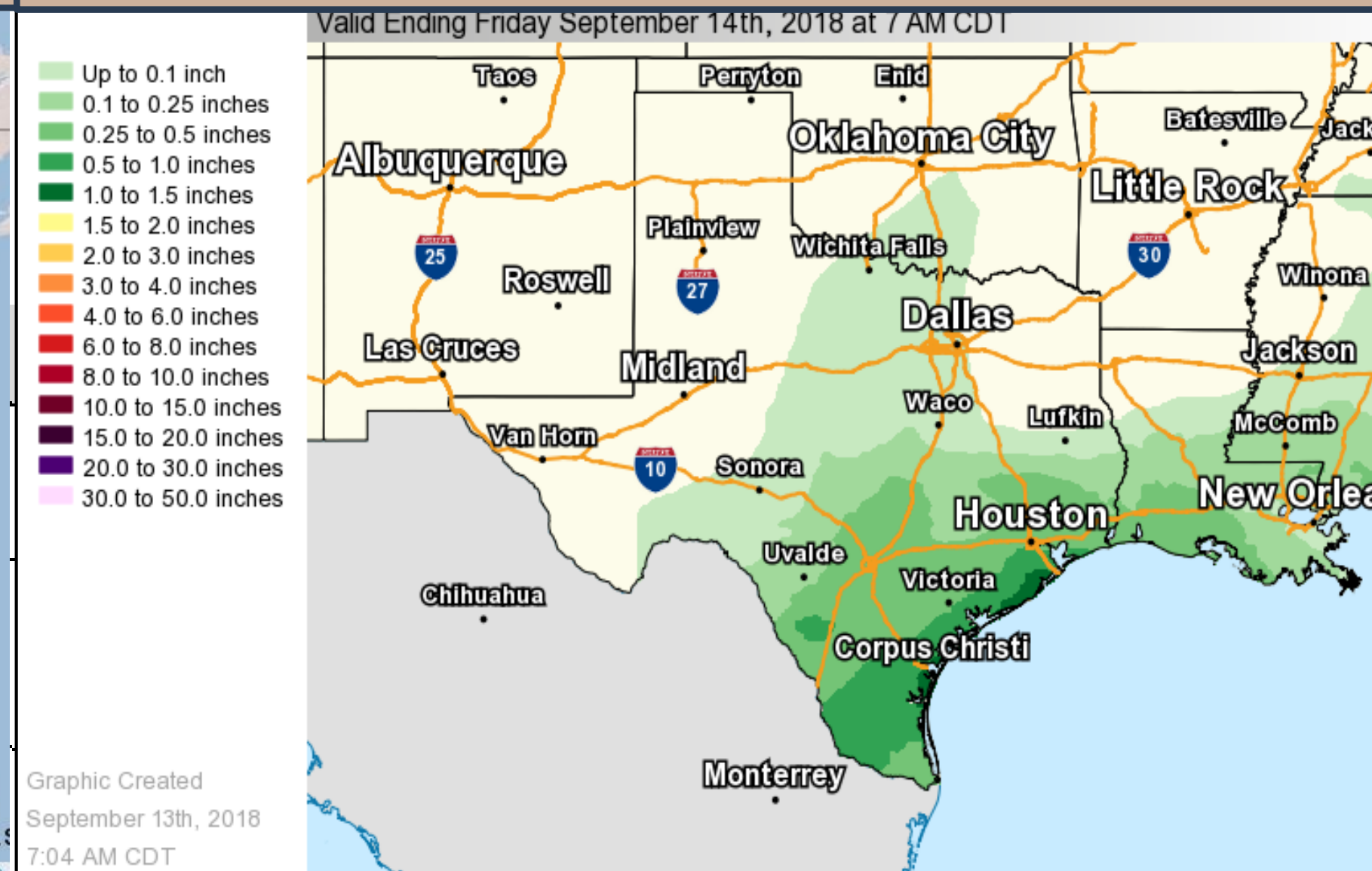
SR ROC

REGIONAL OPERATIONS CENTER

Forecast Chart



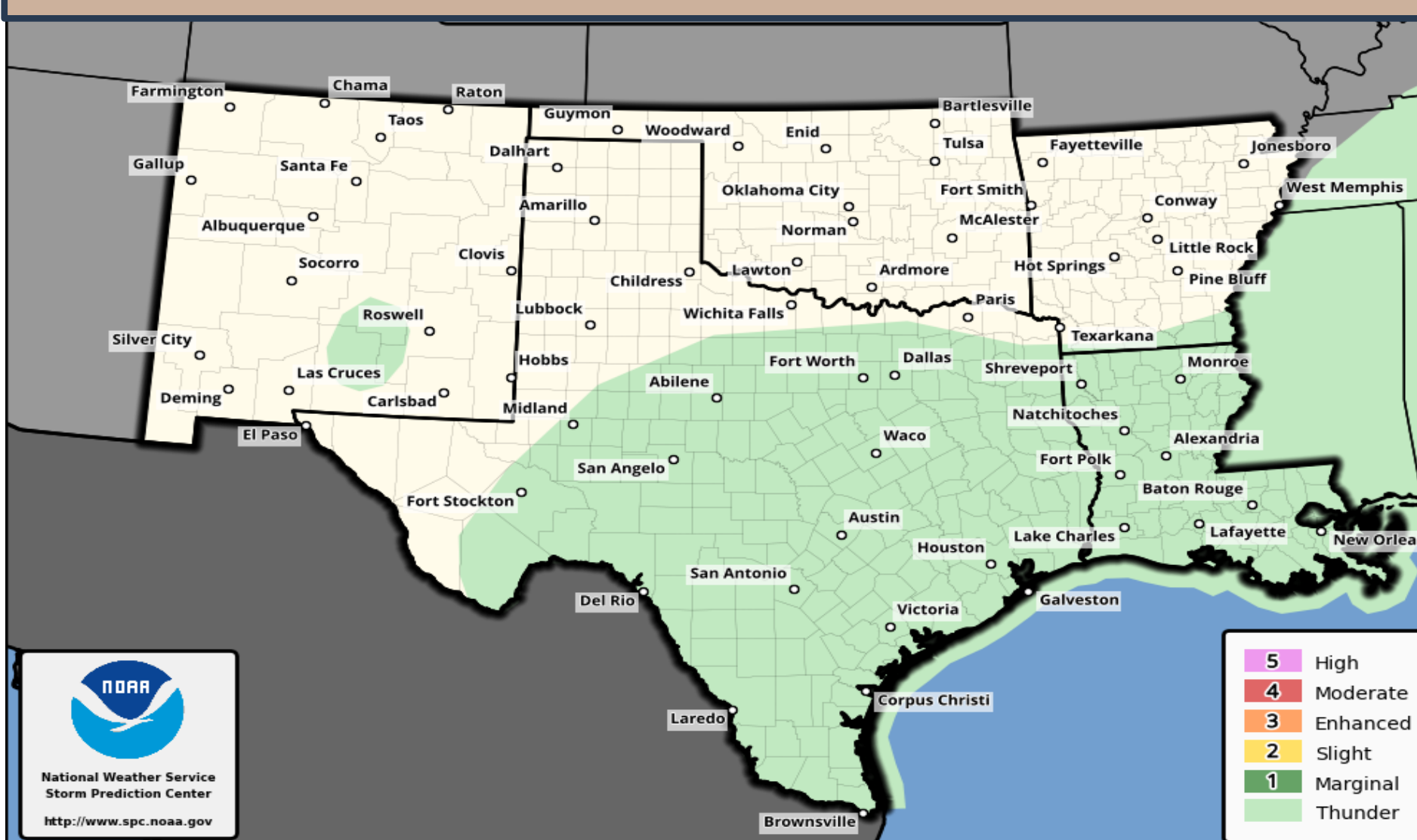
Forecast Rainfall



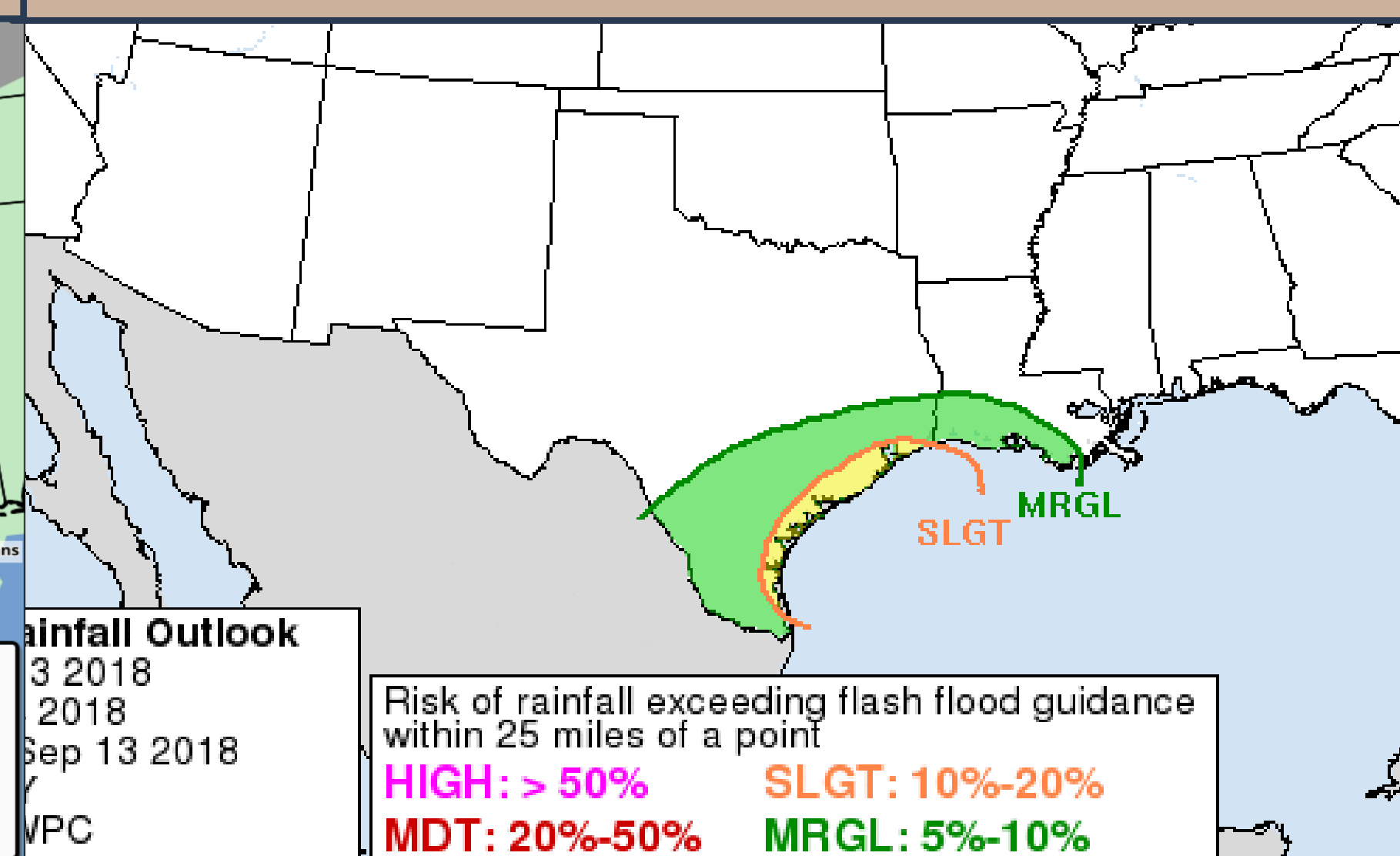
Isolated areas of heavy rain/flash flooding possible over TX and extreme SW LA coasts.

A tropical depression may approach the STX coast late Thursday.

Severe Weather Outlook



Excessive Rainfall Outlook



Watches, Warnings, and Advisories

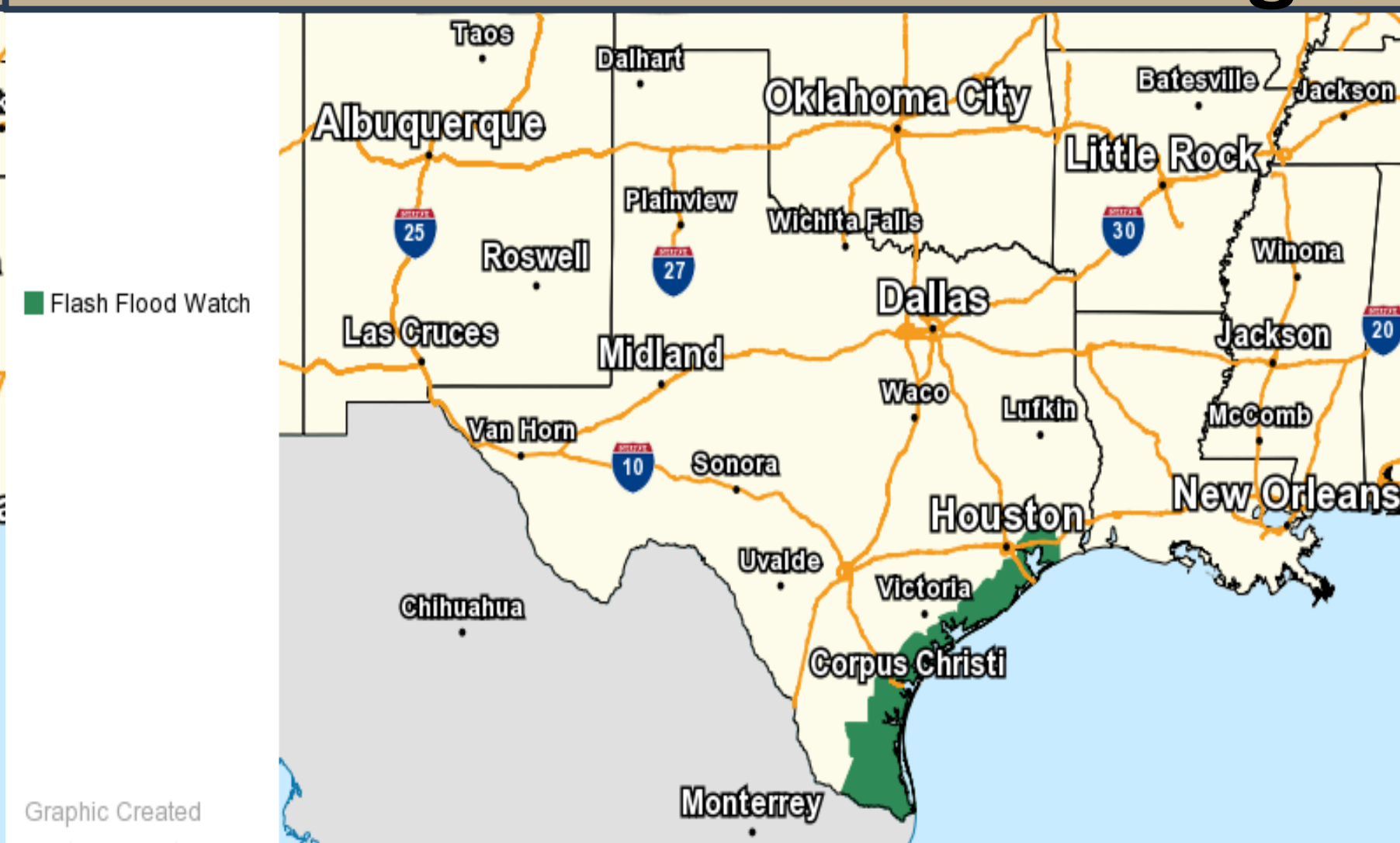


SR ROC
REGIONAL OPERATIONS CENTER

Fire Weather



Severe Weather & Flooding

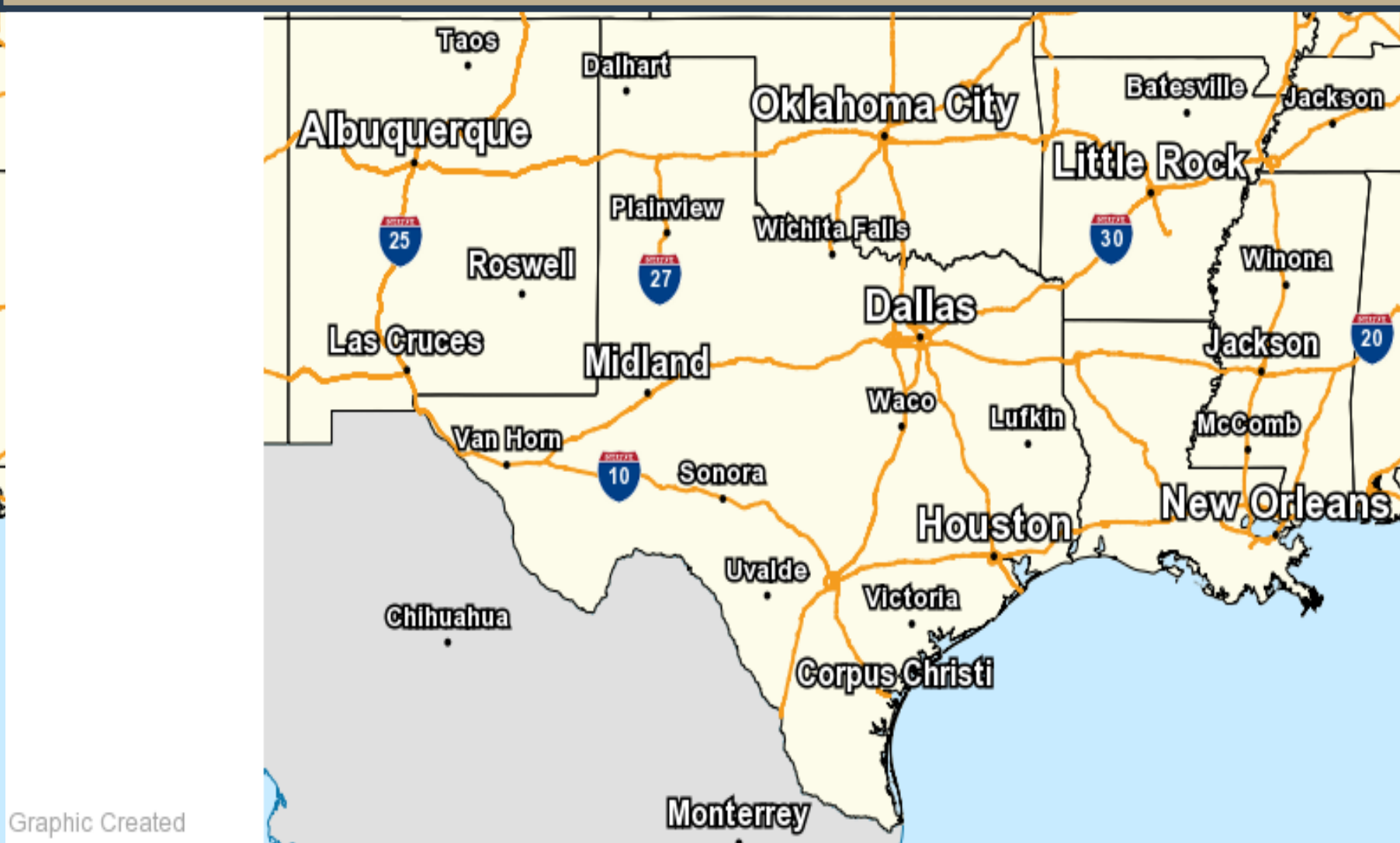


Flash flood watches are in effect along the Texas Coast throughout the day.

Strong & Gusty Winds



Winter Weather

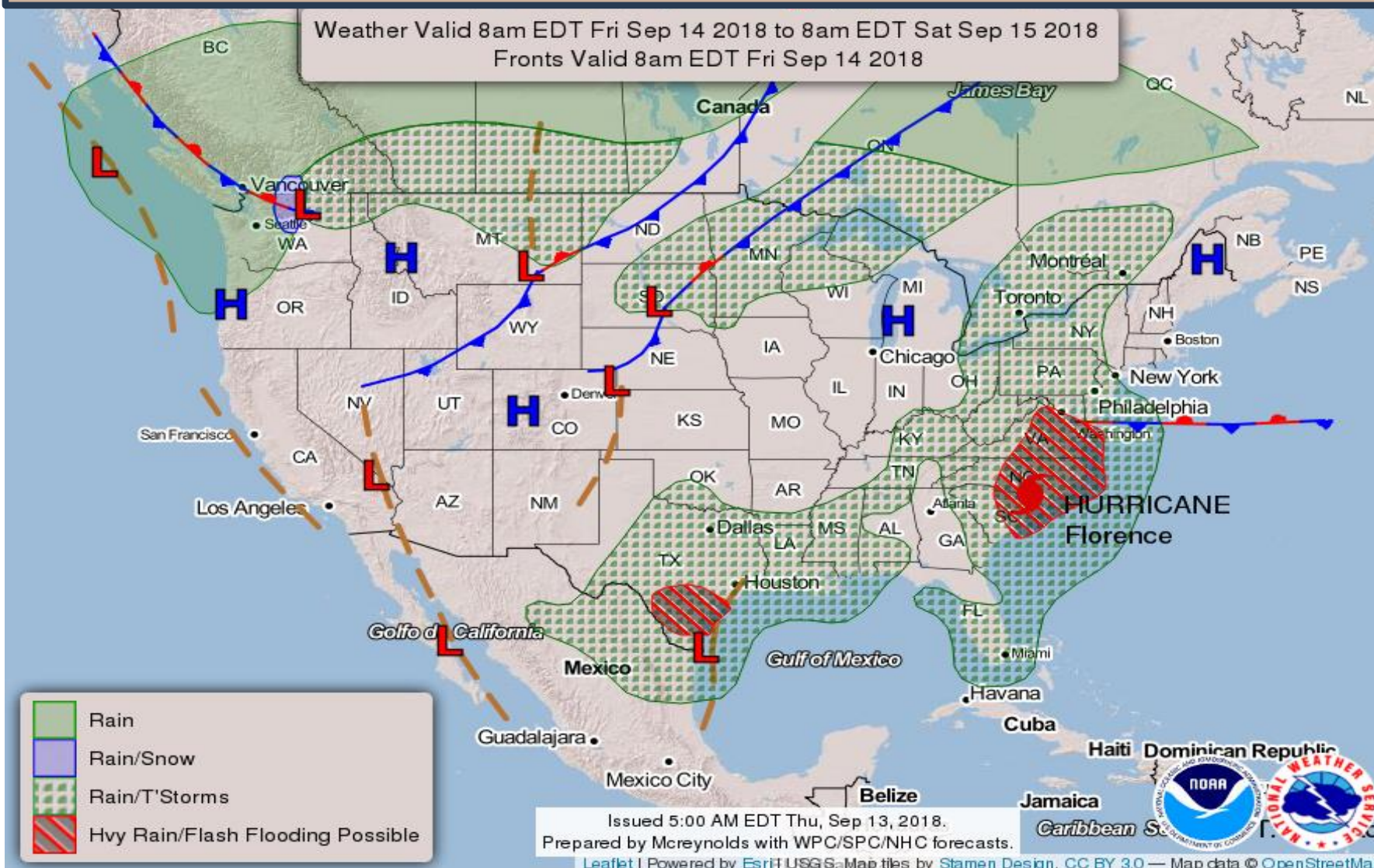


Tomorrow's Weather

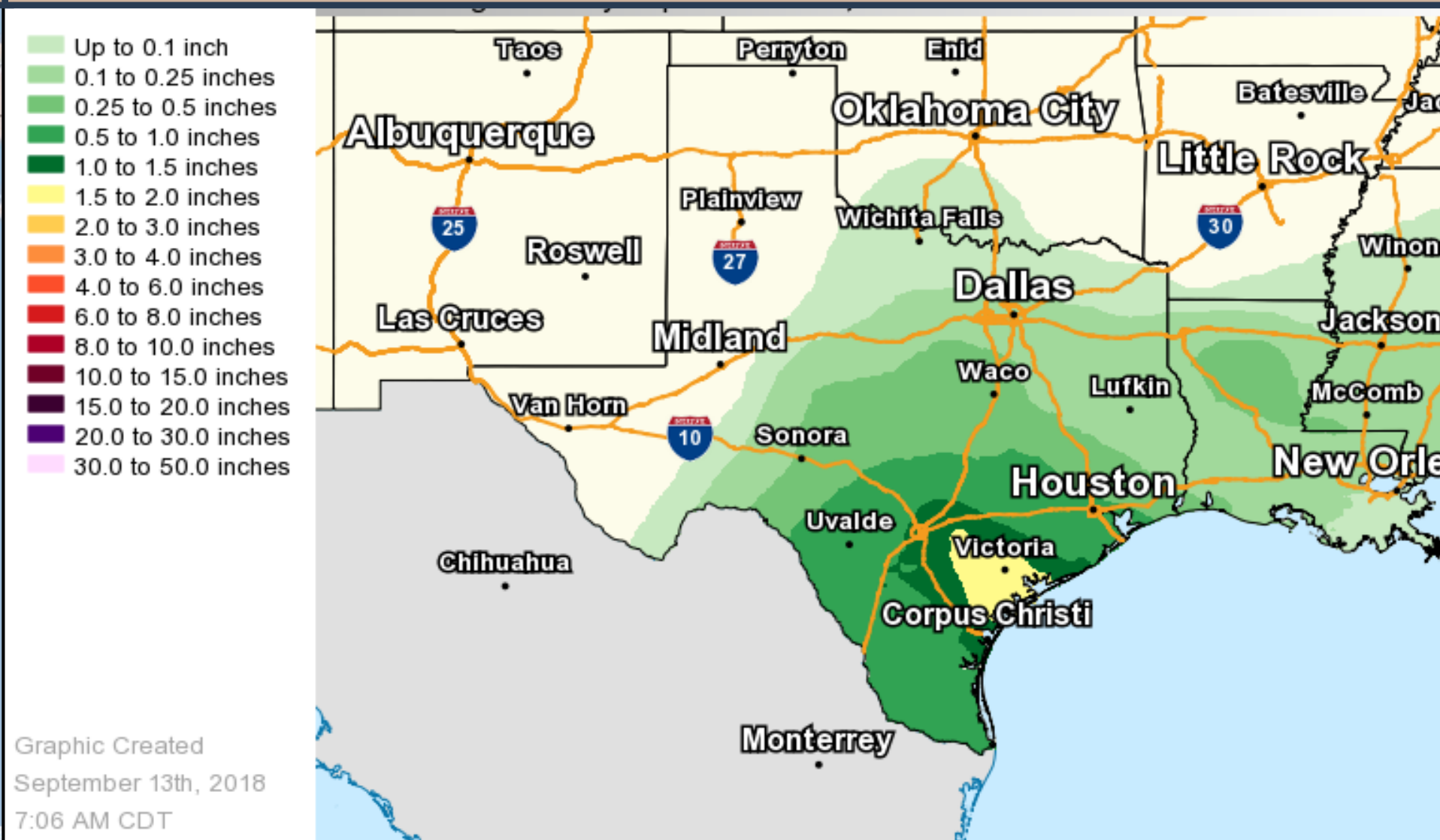


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



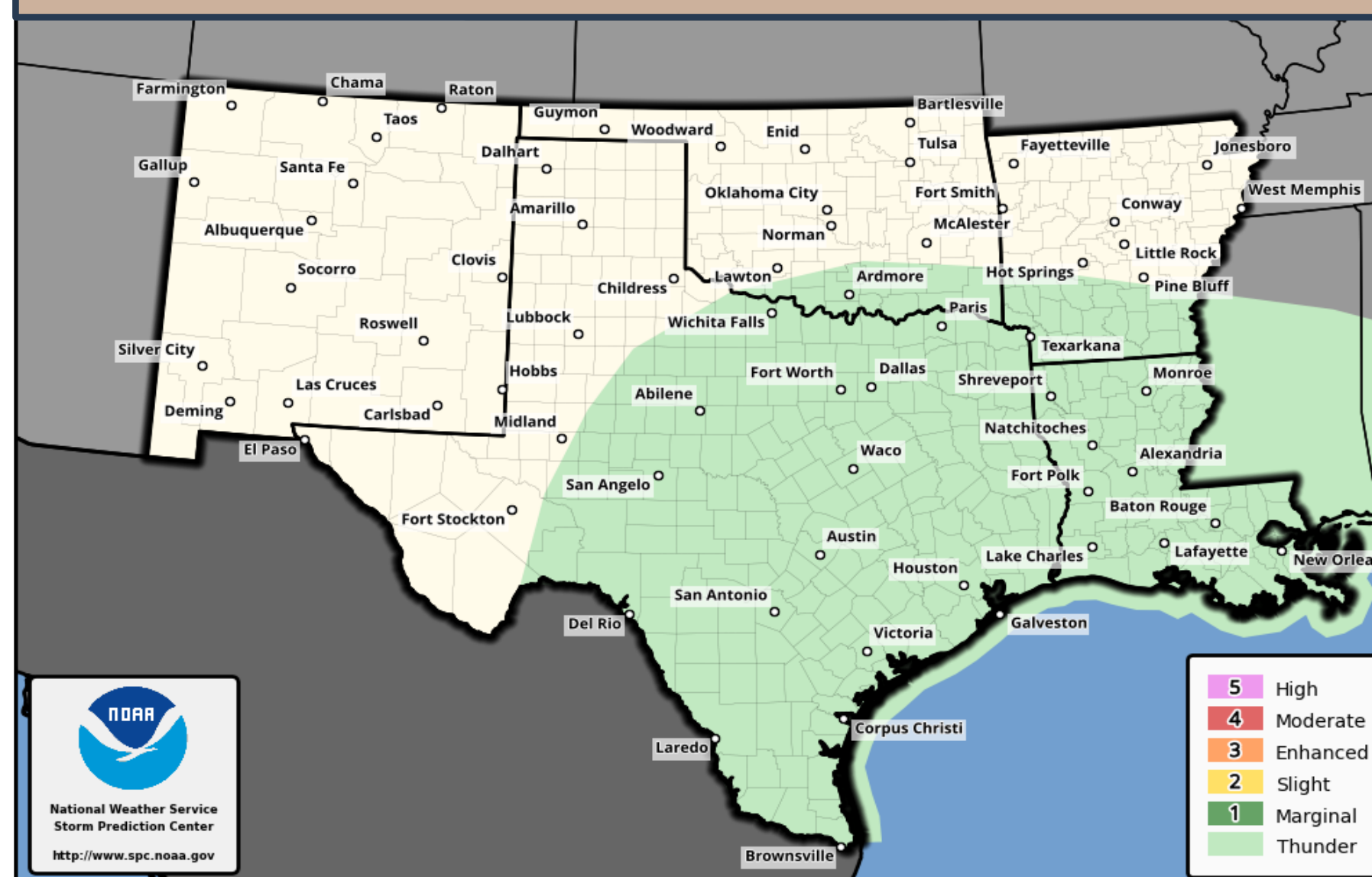
Forecast Rainfall



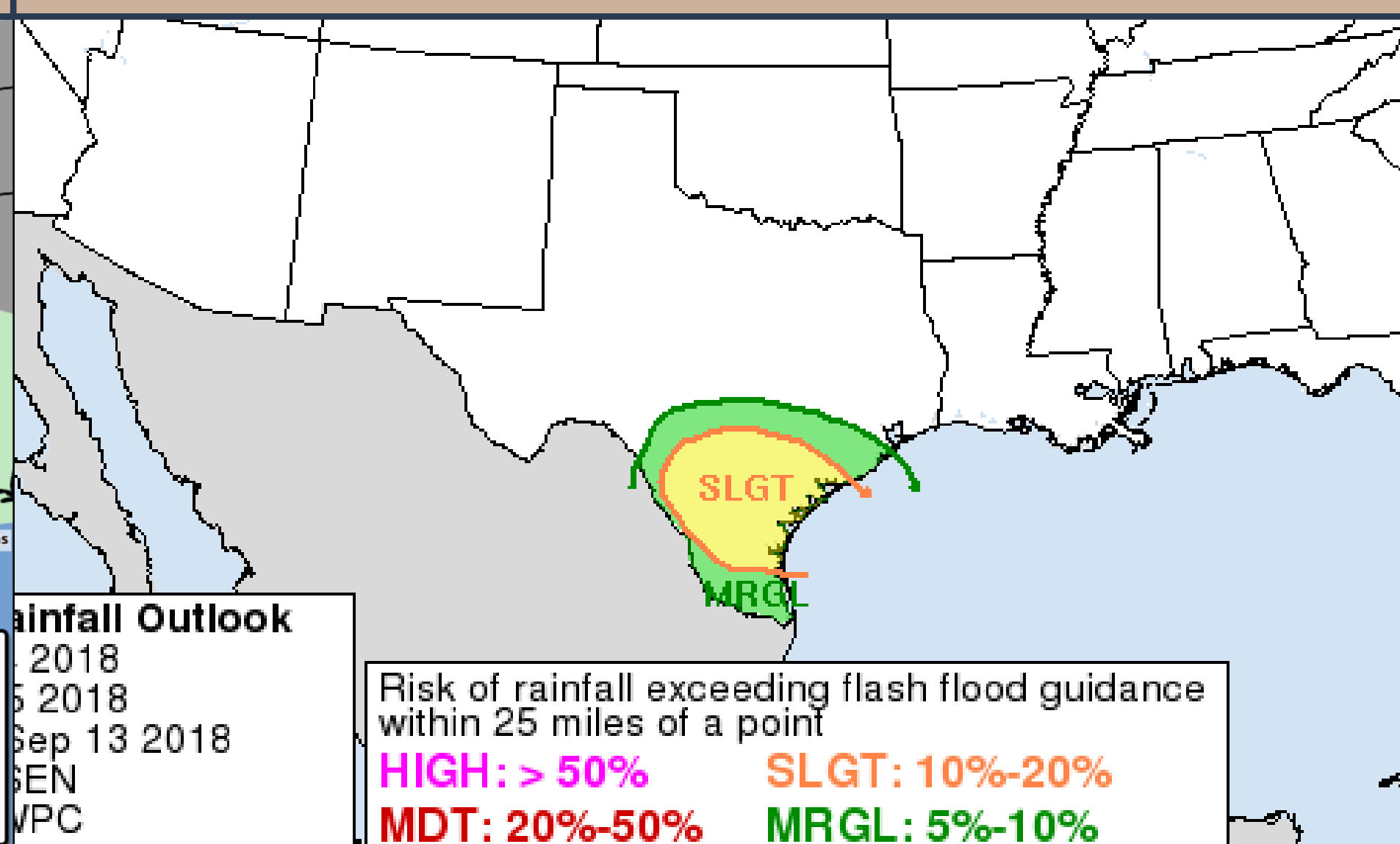
Isolated areas of heavy rain/flash flooding possible over STX.

A tropical disturbance may approach the STX coast by Friday.

Severe Weather Outlook



Excessive Rainfall Outlook

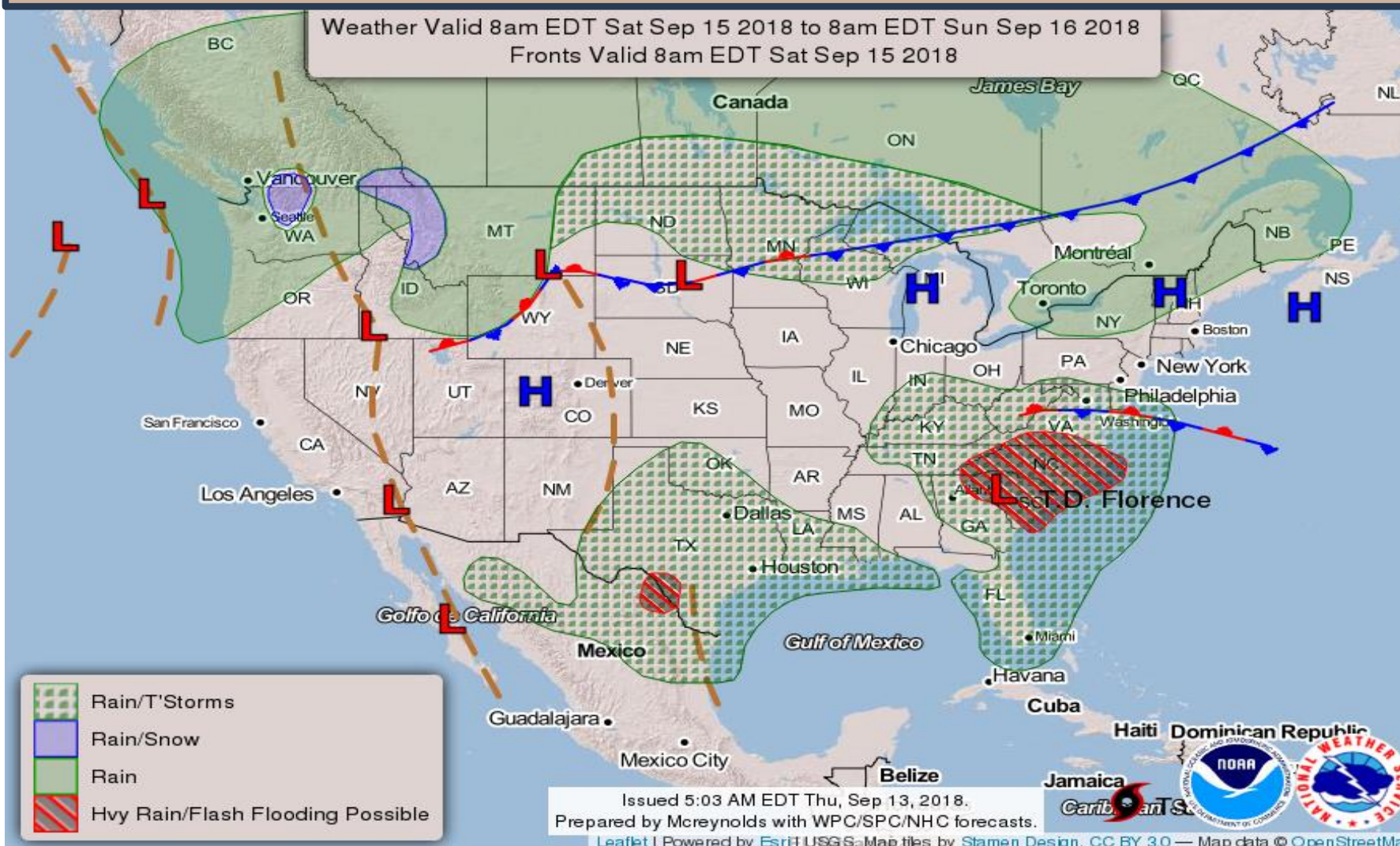


Saturday's Weather

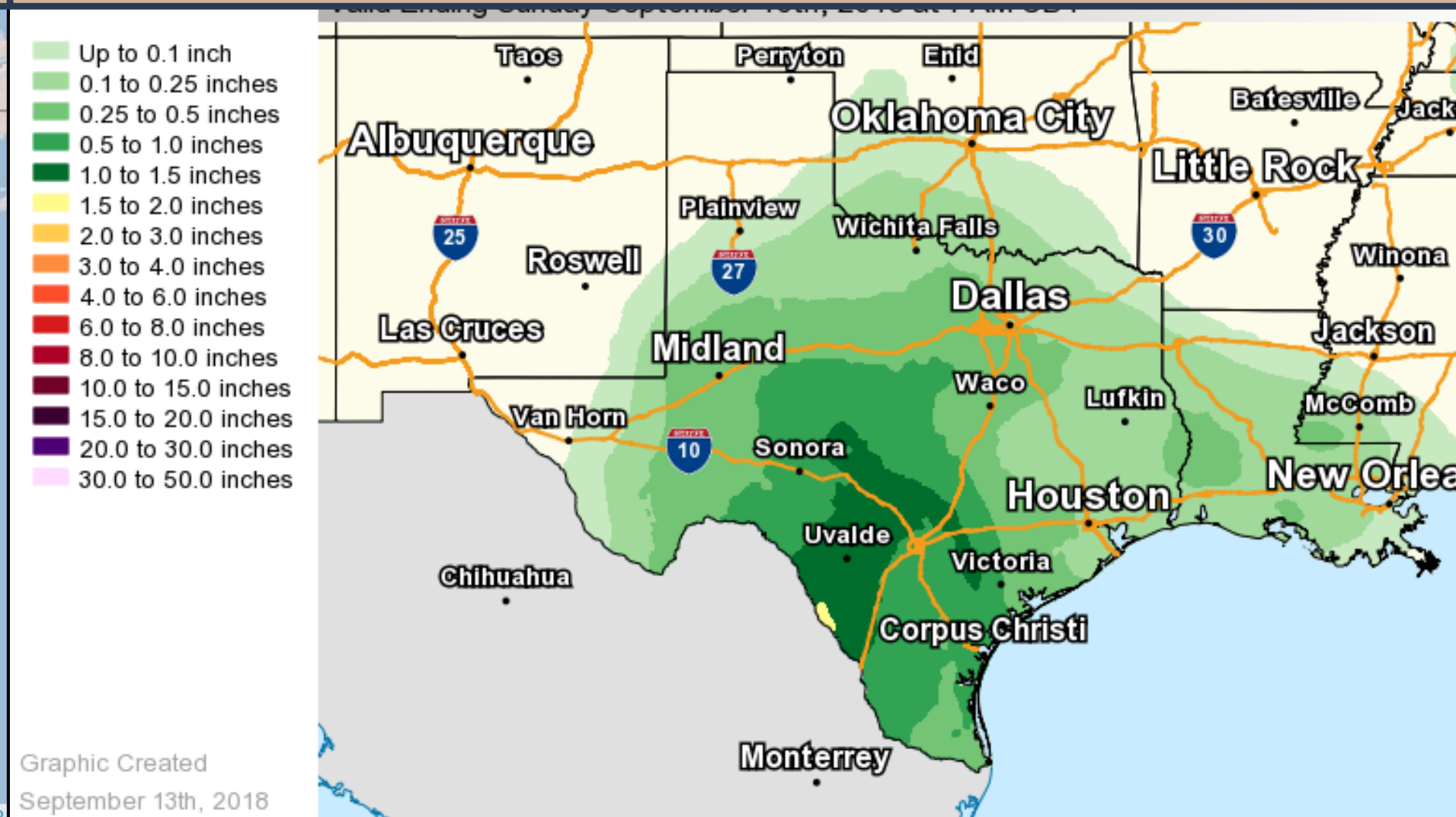


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart

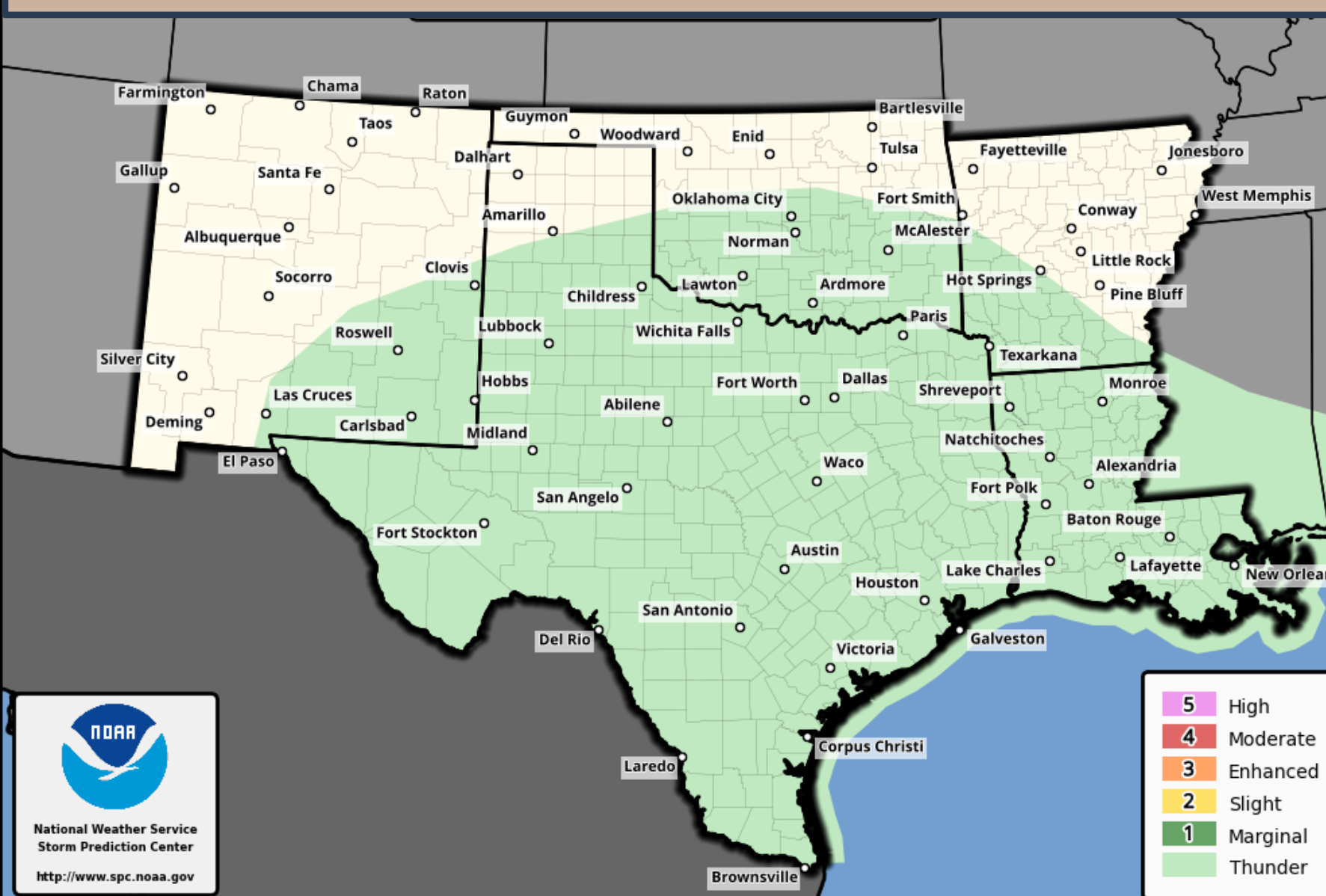


Forecast Rainfall

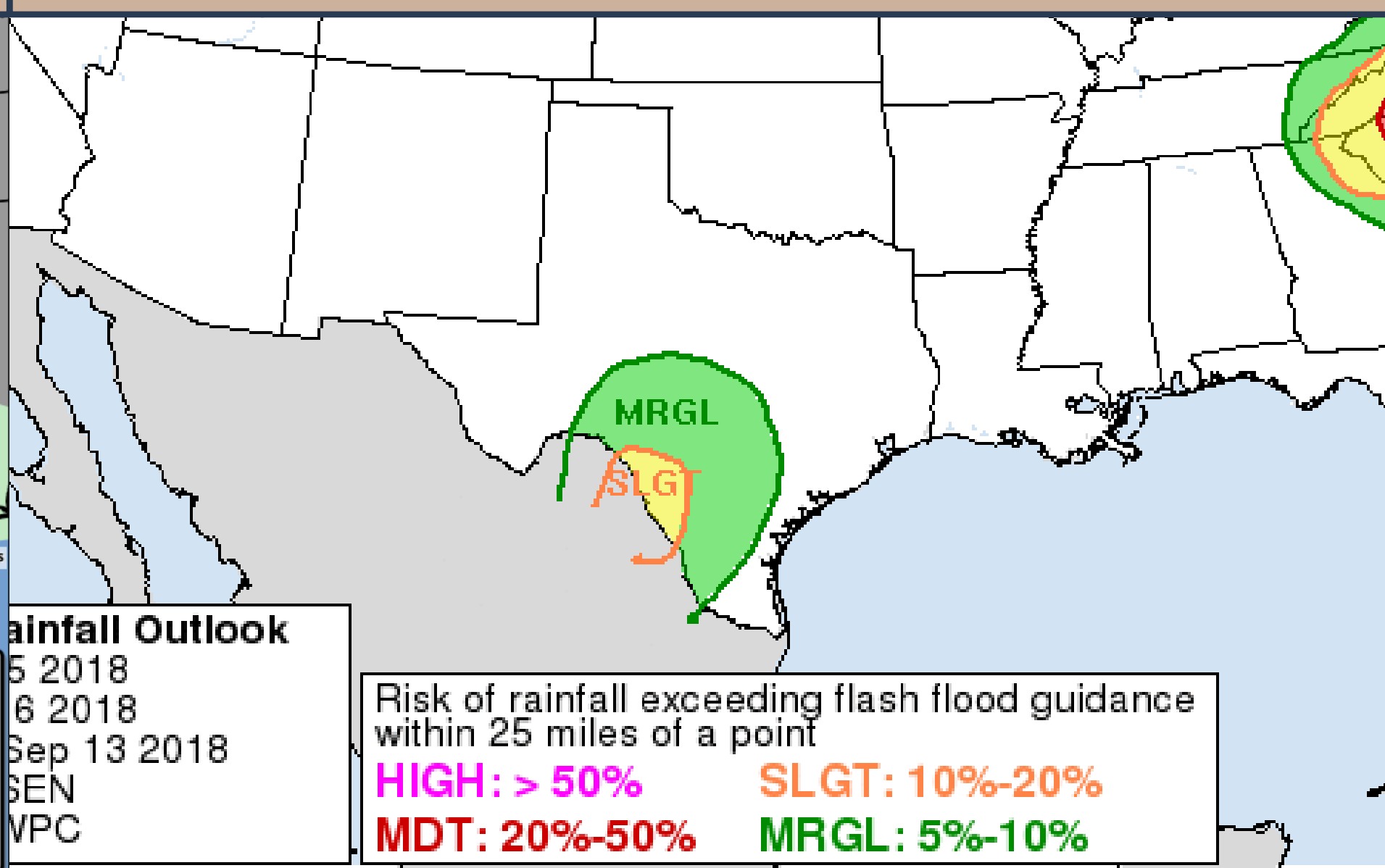


Heavy rain possible across S and SW TX.

Severe Weather Outlook



Excessive Rainfall Outlook

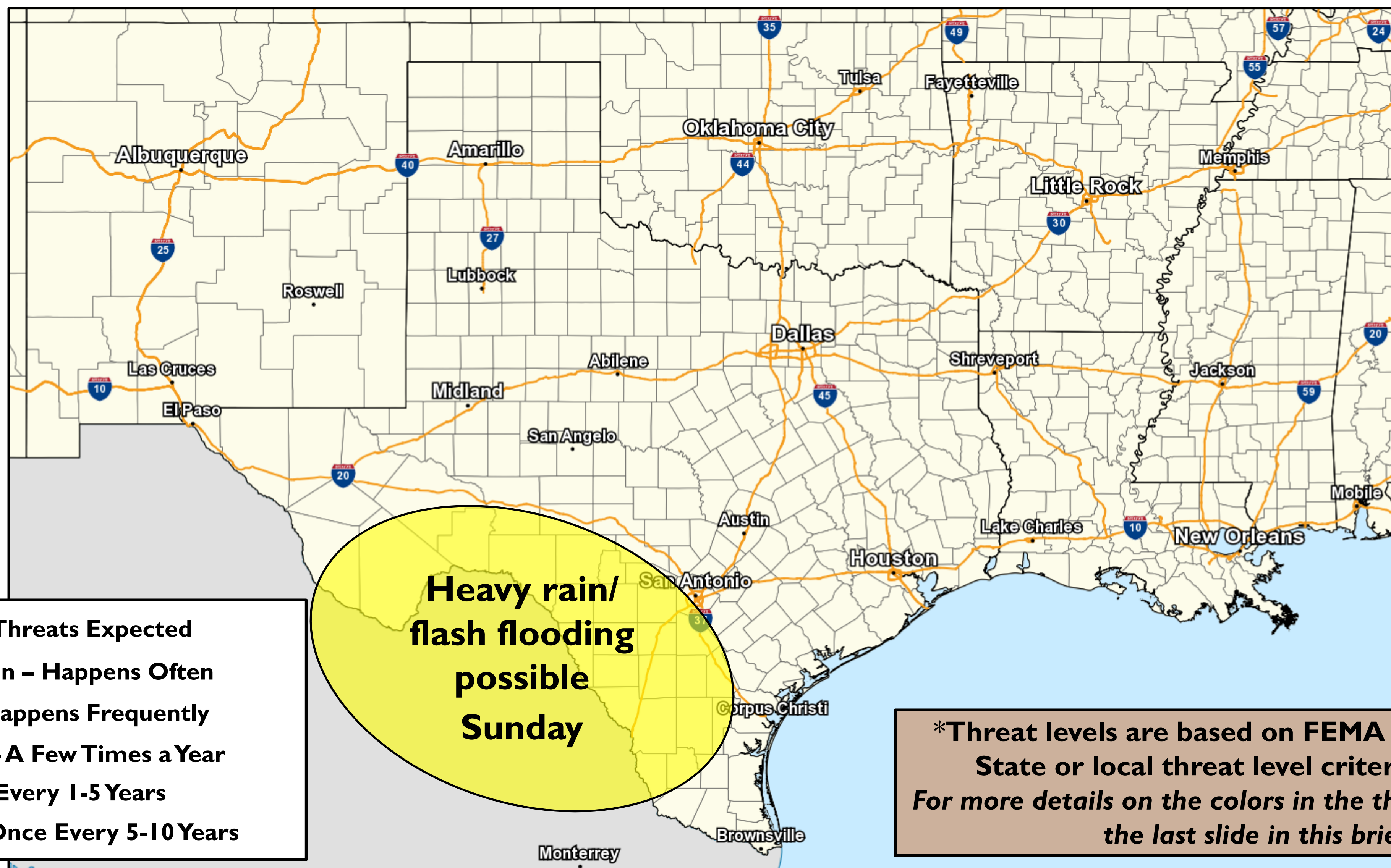


Days 4-5 Weather Hazards

Sunday - Monday



SR ROC
REGIONAL OPERATIONS CENTER

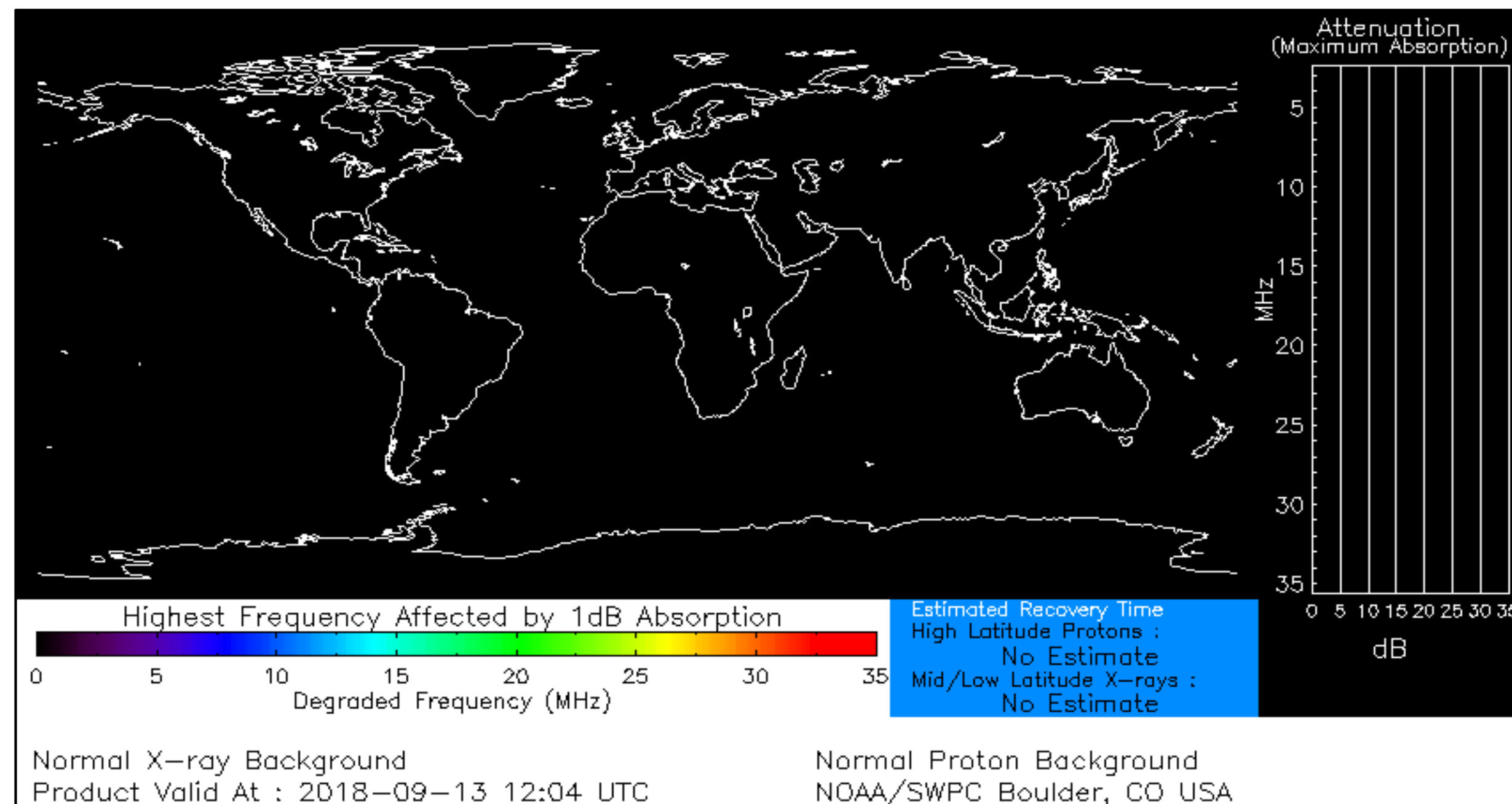


Space Weather 3-Day Forecast



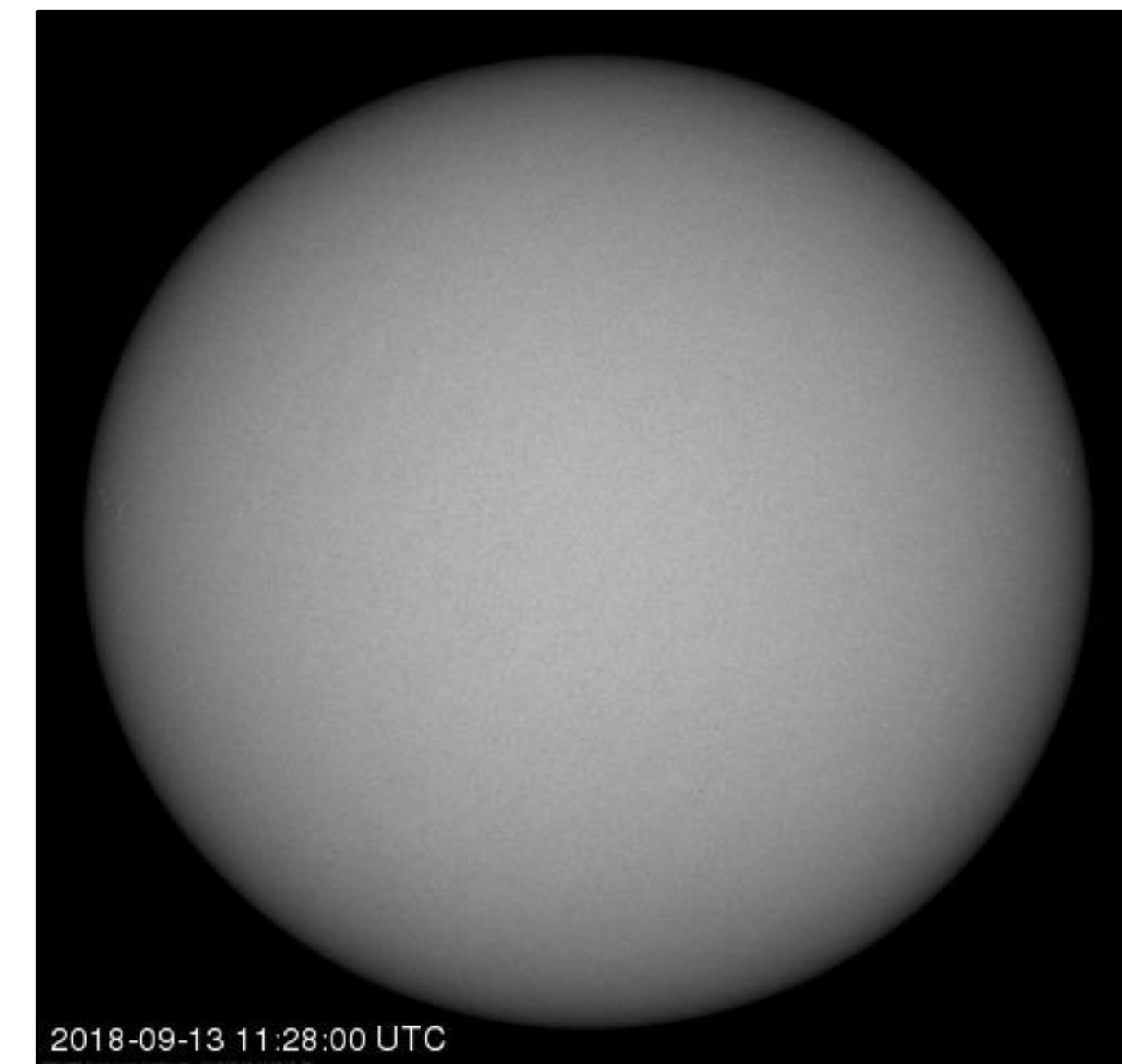
SR ROC
REGIONAL OPERATIONS CENTER

	Thursday	Friday	Saturday
Geomagnetic Storms	Unsettled to Active (Max Kp = 4)	Unsettled (Max Kp = 3)	Quiet (Max Kp = 2)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov